

LAZ Parking Realty Investors  
Washington & Lincoln Garage  
Hartford, CT

MARK	DATE	DESCRIPTION
REVISIONS		

ISSUE: SITE PLAN SUBMISSION

ISSUE DATE: 04/06/2023

PROJECT NO: 16-003325-00

DRAWN BY: JRM

CHECKED BY: CG

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SHEET TITLE:  
**SITE LIGHTING  
PHOTOMETRIC PLAN**

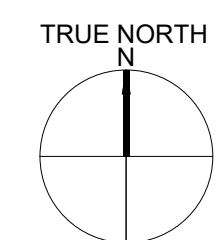
Symbol	Qty	Label	Description	LLF
●	8	SL2A	SBP-LEDV29B-1_05A-830-KHT2	1.000
○	3	SL1	37W LED/3000K-3470-t5-no	1.000
—	1	R3A	DSX1 LED P3 35K 80CRI LCCO EGS	1.000
—	1	R2B	DSX1 LED P3 35K 80CRI TFTM EGS	1.000
—	6	R2A	DSX1 LED P5 35K 80CRI TFTM EGS	1.000
—	5	ST1	ATBS P60 XXXXX R2 3K	1.000
—	6	W2	WDGE1 LED P2 35K 80CRI VW	1.000
⊙	40	W1	NS-LED-e66-WFL-12, AR-LED-TR-e66-WFL-12, AR-LED-RM-e66-WFL-12, DS-LED-e66-WFL-12	1.000

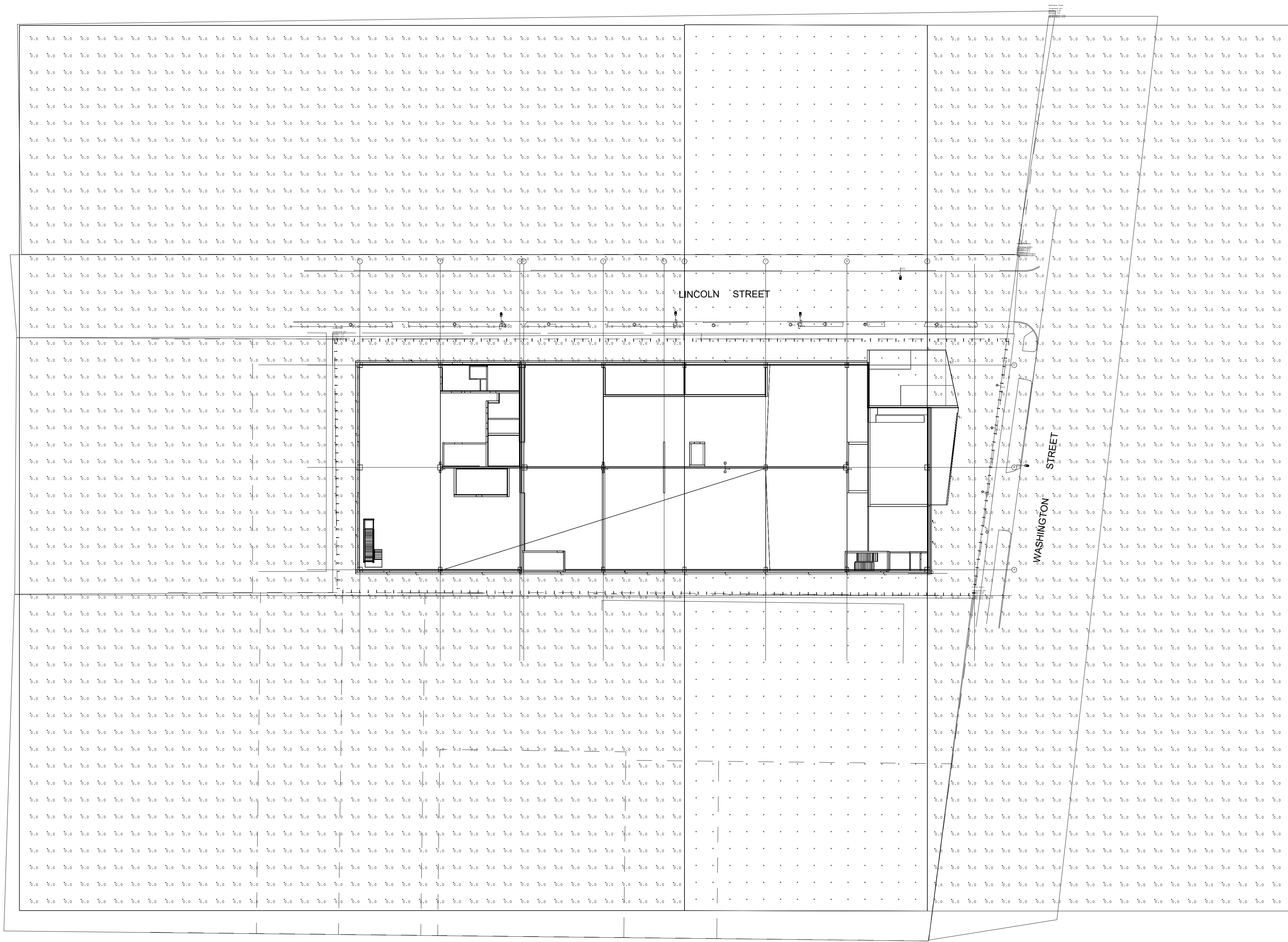
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
groundcent_Side_3	Illuminance	Fc	0.34	4.4	0.0	N.A.	N.A.
groundceast_Top_1	Illuminance	Fc	0.15	5.1	0.0	N.A.	N.A.
groundwest_Top_1	Illuminance	Fc	0.18	6.6	0.0	N.A.	N.A.
ObtrusiveLight_South_Ill_Seg1	Obtrusive - Ill	Fc	0.07	4.6	0.0	N.A.	N.A.
ObtrusiveLight_South_Ill_Seg2	Obtrusive - Ill	Fc	0.08	2.5	0.0	N.A.	N.A.
ObtrusiveLight_South_Ill_Seg3	Obtrusive - Ill	Fc	0.04	0.3	0.0	N.A.	N.A.
ObtrusiveLight_South_Ill_Seg4	Obtrusive - Ill	Fc	0.23	18.7	0.0	N.A.	N.A.
Lincoln Street	Illuminance	Fc	0.85	4.0	0.0	N.A.	N.A.
Project North	Illuminance	Fc	0.01	0.1	0.0	N.A.	N.A.
Project South	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Project West	Illuminance	Fc	0.02	1.6	0.0	N.A.	N.A.
South Egress	Illuminance	Fc	2.37	3.4	1.1	2.15	3.09
Washington Street	Illuminance	Fc	0.14	2.9	0.0	N.A.	N.A.
West Egress	Illuminance	Fc	1.59	1.9	1.2	1.33	1.58

NOTES:  
ANALYSIS SHOWN IS PROVIDED TO DEMONSTRATE ALL SITE LIGHTING INCLUDING STREET POLE FIXTURES, ROOF TOP POLE FIXTURES, AND BUILDING PERIMETER WALL MOUNTED FIXTURES.

NOTE SOUTH EGRESS AND WEST EGRESS ARE MEETING THE ZONING REQUIREMENT OF 1.0 FOOT-CANDLE MINIMUM PER SECTION 7.3.1.J.

**1 GARAGE SITE LIGHTING ANALYSIS PLAN**  
1/32" = 1'-0"





Symbol	QTY	Label	Description	LLF
○	8	SL2	RADPT P3 40K FATH	1.000
○	3	SL1	37W LED/3000K-3470-15-no	1.000
○	1	R3A	DSX1 LED P3 35K 80CRI LECO BGS	1.000
○	1	R2B	DSX1 LED P3 35K 80CRI TFTM BGS	1.000
○	6	R2A	DSX1 LED P5 35K 80CRI TFTM BGS	1.000
○	5	S11	ATBS P40 XXXXX R2 3R	1.000
○	6	R2	WDCR1 LED P2 35K 80CRI VW	1.000
○	27	W1	NS-LED-e66-WFL-12, AR-LED-TR-e66-WFL-12, AR-LED-RM-e66-WFL-12, DS-LED-e66-WFL-12	1.000

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
groundcent_Side_3	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
groundcent_Top_1	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
groundwest_Top_1	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
ObtrusiveLight_South_T11_Seg1	Obtrusive - T11	Fc	0.02	0.1	0.0	N.A.	N.A.
ObtrusiveLight_South_T11_Seg2	Obtrusive - T11	Fc	0.02	0.1	0.0	N.A.	N.A.
ObtrusiveLight_South_T11_Seg3	Obtrusive - T11	Fc	0.02	0.1	0.0	N.A.	N.A.
ObtrusiveLight_South_T11_Seg4	Obtrusive - T11	Fc	0.00	0.0	0.0	N.A.	N.A.
Lincoln Street	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Project North	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Project South	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Project West	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Washington Street	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.

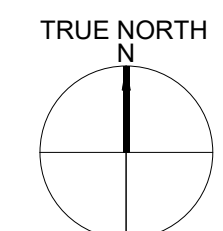
NOTES:  
ANALYSIS SHOWN ON THIS SHEET TURNS OFF ALL STREET POLE FIXTURES AND BUILDING PERIMETER WALL MOUNTED FIXTURES. ROOF TOP FIXTURES ARE KEPT ON. IT IS PROVIDED TO DEMONSTRATE THAT THE FACILITY MEETS THE ZONING LIGHT TRESPASS LIMITS OF 0.1 FOOT-CANDLES FOR RESIDENTIAL AREAS AND 0.2 IN OTHER ZONES PER SECTION 6.15.2.B (1).

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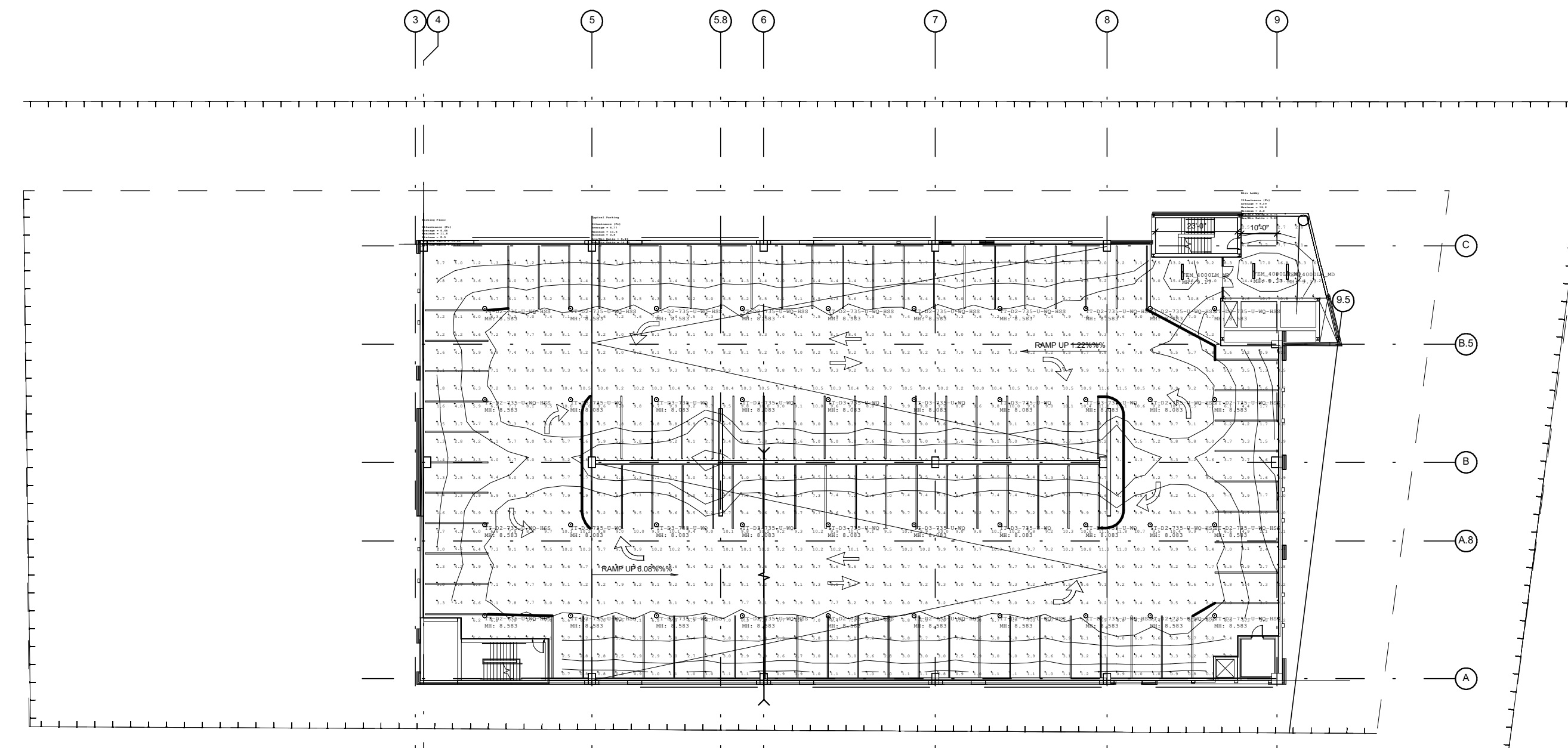
SHEET TITLE:  
SITE LIGHTING  
PHOTOMETRIC PLAN



## GARAGE ROOF LIGHTING ANALYSIS PLAN

1  
1/32" = 1'-0"

A-902



Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Obtrusivelight_E_Ill_Seg1	Obtrusive - Ill	Fc	0.01	0.1	0.0	N.A.	N.A.
Obtrusivelight_N1- WK-2 Zone_Ill_Seg1	Obtrusive - Ill	Fc	0.00	0.1	0.0	N.A.	N.A.
Obtrusivelight_N2- WK-1 Zone_Ill_Seg1	Obtrusive - Ill	Fc	0.01	0.2	0.0	N.A.	N.A.
Obtrusivelight_S_Ill_Seg1	Obtrusive - Ill	Fc	0.01	0.1	0.0	N.A.	N.A.
Obtrusivelight_W_Ill_Seg1	Obtrusive - Ill	Fc	0.01	0.1	0.0	N.A.	N.A.
Room_1 Floor	Illuminance	Fc	6.58	18.8	0.5	13.16	37.60
Elev Lobby	Illuminance	Fc	9.49	19.8	2.0	4.75	9.40
Parking Floor	Illuminance	Fc	4.46	11.8	0.5	12.32	22.60
Typical Parking	Illuminance	Fc	6.77	11.6	0.8	8.46	14.50

Symbol	Qty	Label	Arrangement	Description	Yeg	LEF	Luminaire Lumens	Luminaire Watts	Total Watts
+	3	FEM_4000LM_MD	Single	FEM 148 4000LM LPAPL MD 80CRI 358		1.000	3824	23.81	71.43
○	26	TT-D2-735-U-WQ-HSS	Single	TT-D2-735-U-WQ-HSS		1.000	4015	39.2	1039.2
○	14	TT-D3-735-U-WQ	Single	TT-D3-735-U-WQ		1.000	6011	47.2	660.8

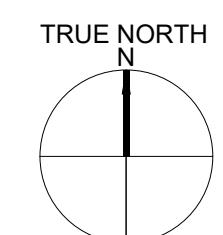
**NOTES:**  
ANALYSIS SHOWN IS FOR THE TYPICAL LAYOUT OF INTERIOR FIXTURES ON THE UPPER FLOORS OF THE FACILITY. OBTRUSIVE LIGHT CALCULATIONS ARE LOCATED ON PROPERTY LINES WHEN DIRECTLY ABUTTING NEIGHBORING PROPERTIES, WHEN ABUTTING A RIGHT-OF-WAY THE CALCULATION IS LOCATED AT THE CENTERLINE OF THE RIGHT-OF-WAY.

THIS ANALYSIS IS PROVIDED TO DEMONSTRATE COMPLIANCE WITH THE ZONING LIGHT TRESPASS LIMITS OF 0.1 FOOT-CANDELES FOR RESIDENTIAL AREAS AND 0.2 FOOT CANDLES IN OTHER ZONES PER SECTION 6.15.2.B.(1).

## GARAGE TYPICAL UPPER TIER LIGHTING ANALYSIS PLAN

1

1/32" = 1'-0"



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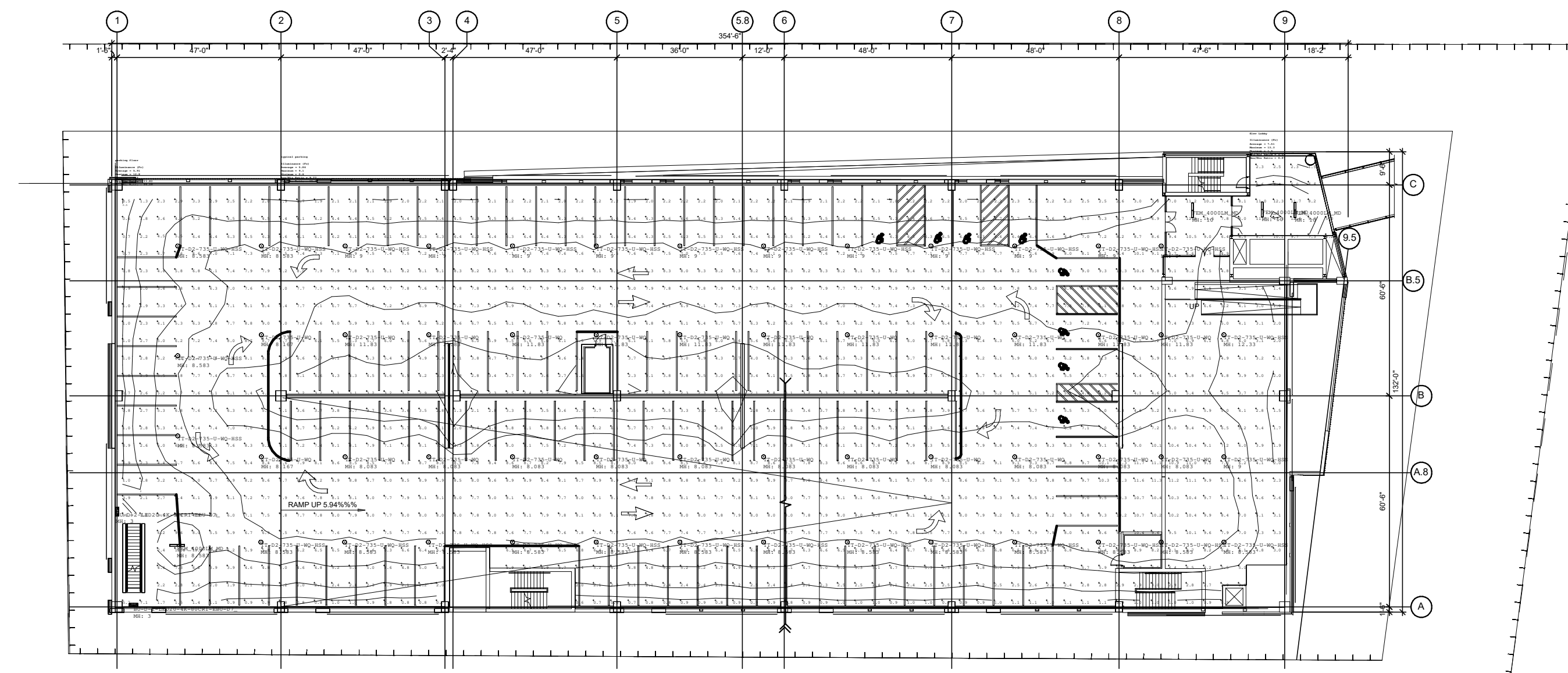
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SHEET TITLE:  
**SITE LIGHTING  
PHOTOMETRIC PLAN**

**A-903**



Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ObtrusiveLight_E_Til_Segl	Obtrusive - I11	Fc	0.00	0.0	0.0	N.A.	N.A.
ObtrusiveLight_N1- MK-2 Zone_	Obtrusive - I11	Fc	0.02	0.1	0.0	N.A.	N.A.
Til_Segl	Obtrusive - I11	Fc	0.02	0.2	0.0	N.A.	N.A.
ObtrusiveLight_N2- MK-1 Zone_	Obtrusive - I11	Fc	0.02	0.1	0.0	N.A.	N.A.
Til_Segl	Obtrusive - I11	Fc	0.02	0.1	0.0	N.A.	N.A.
ObtrusiveLight_N_Til_Segl	Obtrusive - I11	Fc	0.02	0.1	0.0	N.A.	N.A.
Room_1_Floor	Illuminance	Fc	5.97	13.3	0.5	11.94	26.60
Elev Lobby	Illuminance	Fc	7.51	13.3	1.5	5.01	8.87
parking floor	Illuminance	Fc	5.91	12.8	0.5	11.82	25.60
Typical parking	Illuminance	Fc	5.86	9.1	0.6	9.77	15.17

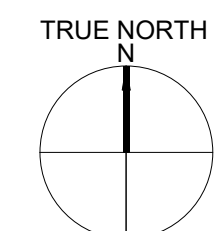
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
⊥	2	BU-D-2-LED20-4K-80CRI-EBU-D7	Single	BU-D-2-LED204K-80CRI-EBU-D7		0.250	2239	27.5	55
⊥	4	FMK_4000LM_MD	Single	FMK L48 4000LM LPAPL MD 80CRI 35K		0.800	3824	23.81	95.24
○	24	TT-D2-735-U-WQ	Single	TT-D2-735-U-WQ		1.000	4984	39.2	940.8
○	30	TT-D2-735-U-WQ-8SS	Single	TT-D2-735-U-WQ-8SS		1.000	4015	39.2	1176

NOTES:  
ANALYSIS SHOWN IS FOR THE TYPICAL LAYOUT OF INTERIOR FIXTURES ON THE LOWER FLOORS OF THE FACILITY.  
OBTRUSIVE LIGHT CALCULATIONS ARE LOCATED ON PROPERTY LINES WHEN DIRECTLY ABUTTING NEIGHBORING PROPERTIES. WHEN ABUTTING A RIGHT-OF-WAY THE CALCULATION IS LOCATED AT THE CENTERLINE OF THE RIGHT-OF-WAY.

THIS ANALYSIS IS PROVIDED TO DEMONSTRATE COMPLIANCE WITH THE ZONING LIGHT TRESPASS LIMITS OF 0.1 FOOT-CANDLES FOR RESIDENTIAL AREAS AND 0.2 FOOT CANDLES IN OTHER ZONES PER SECTION 6.15.2.B.(1).

## GARAGE TYPICAL LOWER TIER LIGHTING ANALYSIS PLAN

1  
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**A-904**